

## Mission Scientist Report for Monday, 27 May 2013

Submitted by larrycarey on Mon, 05/27/2013 - 11:50

Date:

Monday, May 27, 2013 - 11:30

Discussion:

Status: NPOL and D3R are green. Some surprise high winds (maximum S 45 MPH G55MPH) on Sunday (5/26) associated with wake low shut down NPOL azimuthal motor due to over-heating. Engineers are debugging why happening prior to specification of S 60 MPH. Similar wake low occurred this morning (5/27) but was anticipated and antenna was stowed during peak winds of S 40 MPH. NPOL Zdr calibration has been checked with multiple bird bath scans on 5/20 and 5/25. Analysis of high quality BB scans suggest NPOL Zdr has no bias (within 0.01 dB). XPOL's are all operational (3 Green, 1 Yellow). APU's and MRR's are green. 2DVD's are generally green but requiresome baby-sitting to keep them up.

Mission Summary 5/26/2013: Mixture of stratiform and convective echo over IFloodS domain associated with MCS in the early morning through afternoon hours. After MCS passed through, more intense but isolated widely scattered convection developed in southern part of IFloodS domain within range of NPOL during early late afternoon - late night hours. Remained in southern part of domain. Mixture of sampling was accomplished with sectors and RHI's over disdrometer array when appropriate. 3-minute or better NPOL rain mapping was maintained throughout the period except during period when NPOL went down due to winds (45 minutes or so).

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